

### PG-102-106-AA BACnet MS/TP to JCI Metasys N2 Protocol Converter

PG-102-106-AA is highly powerful, superior, completely configurable and productive Building & Industrial Automation gateway for integrators to effortlessly interface devices to networks in commercial buildings and industrial plants.

PG-102-106-AA Gateway model supports BACnet MS/TP and JCI Metasys N2 protocols. It is a Bidirectional Converter that can be configured as a Client and/or a Server on either protocol interface.

When configured as a JCI Metasys N2 client, the PG-102-106-AA can read data from your JCI Metasys N2 devices and publish it as BACnet MS/TP data. Also, it can write commands sent from the BACnet MS/TP side to the JCI Metasys N2 devices.

When configured as a BACnet MS/TP client, the PG-102-106-AA can read data from your BACnet MS/TP devices and publish it as JCI Metasys N2 data. Also, it can write commands sent from the JCI Metasys N2 side to the BACnet MS/TP devices.

The PG-102-106-AA can be configured to behave as a server on both JCI Metasys N2 and BACnet MS/TP interfaces. This mode is useful when data exchange is required between a JCI Metasys N2 client (for eg. SCADA) and a BACnet IP client (for eg. a Building Management System).

The PG-102-106-AA can be configured to behave as a client on both JCI Metasys N2 and BACnet MS/TP interfaces.

PG-102-106-AA gateways have benefitted system integrators worldwide with its powerful line of gateways. Additionally, PG-102-106-AA gateway runs the same protocol conversion software on a productive and cost efficient platform backed by the experience, engineering expertise and technically proven support that integrators have come to expect from PG-102-106-AA.

#### **Features**

- Ability to interface upto 1000 points
- DIN rail mount optional
- DIP switches to select baud rate or node ID on the fly
- Multi-configuration capability
- BACnet COV support for fast data communication while reducing the traffic over a BACnet network



## **Specifications**

	Operating Temperature: -40 to 75°C	(-40 to 167°F)
Environment	Relative Humidity:5-90% RH non-condensing	
		-
Power	9-30 VDC or 12-24 VAC	
Requirements	Current Draw @ 12V about 250Ma	
Physical	4.5x2.9x1.6 in. (11.5x7.4x4.1 cm)	
Dimensions(HxWxD)	0.4 lbs (0.2 Kg)	
	Configuration/Diagnostic utilities	_
Other	Capacity: 1000 points	
	Table, Wall or DIN rail mount	
	RS-485	2
Communication	RS-232	-
Interfaces	Ethernet 10Base-T, 100BASE-T <sup>2</sup>	1
	Mbus	-
	KNX	-
	LonWorks -	
	TUV Approved to UL 916 and CSA C22.2 standards	
	BTL and LonMark certified	
Approvals	LonMark Certified	
7.661.01010	RoHS Compliant	
	GOST-R Certified	
	CE and FCC	

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# **BACnet MS/TP Protocol Driver Description**

	Connection type:	RS-485 (Two wire, half-duplex)
	Baud Rates:	9600,19200,38400 and 76800 <sup>3</sup>
Driver Name:	Data Bits:	7,8
BACnet/MSTP	Stop Bits:	1,2
BACILET, WIST	Parity:	Odd, Even, None
	Multidrop Capability:	Yes
PG-1	.02-106-AA AS A BACnet MS/TF	CLIENT
Read Operations	Properties Supported	Comments and Limitations
Supported		
	Present Value	Store value in Data Array
		location after scaling has been
		applied
	Out_Of_Service	When using a Complex Data
		Object, the OOS property is
		fully supported. Return FALSE
		when not OOS or when using
		standard Data Arrays
	Units	Returns Units as specified in
		the Map Descriptor
	Reliability	When using a Complex Data
		Objects, returns "Unreliable
Bood Books		Other" when the Node is
Read Property		offline, or when the data is old. Returns FALSE if the Node is
		online or when using Standard
		Data Arrays
	Priority_Array	Returns Priority_Array of Map
	Thority_/aray	Descriptor
	Unsupported	This property is supported
	Protocol Object Type Supported	This property is supported
	Protocol_Services_Supported	This property is supported
	Database_Revision	This property is supported and
	_	will change if a new
		configuration is downloaded to
		the FS
	Max_Master	This property is supported for

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		the BACnet /MSTP DLL option
	Max_Info_Frames	This property is supported for
	Wax_inio_rraines	the BACnet/MSTP DLL option
	Relinguish Default	Returns Relinguish _Default
	Kellinguish_Deluule	Netariis Neiingaisii _Belaait
Read Property Multiple	As for Read Property	Transactions can be defined to read multiple objects and properties in a single ReadPropertyMultiple operation.
	ALL	Read Property Multiple of the ALL property is NOT supported
Weite Onevetions	Duo no ution Commonted	Comments and Limitations
Write Operations	Properties Supported	Comments and Limitations
Supported		Conduction Data Assess
Write Property Write Property Multiple	Present Value	Send value in Data Array location after scaling has been applied
PG-10	2-106-AA AS A BACnet MS/TP	SERVER
DEVICE OBJECT	2 100 AA AS A BACHEL WIS/ II	JERVER
Read Operations	Properties Supported	Comments and Limitations
Supported	The state of the s	
	Object_Identifier	Returns Object _ID with
		Node_ID as Object Instance
	Object_Name	Returns Node Name
	Object_Type	Returns Device Object type
	System_Status	Returns Normal
	Vendor_Name	Returns PG-10XX Technologies
	Vendor_Identifier	Returns 37
	Model_Name	Returns PG-10XX model
	Firmware_revision	Returns Kernel Version
Read Property	Application_sw_version	Returns DCC version
	Protocol_Version	Returns version 1
	Protocol_Revision	Returns version 1
	Protocol_Services_Supported	This property is supported
	Protocol_Object_Type_Supported	This property is supported
	Protocol_Object_List	Returns a list of objects
		defined in the PG-10XX
	Max_APDU_Length_Accepted	For PG-10XX, the MAX APDU length for BACnet MSTP is 480 bytes and for BACnet IP/BACnet Eth 1497 bytes
	Segmentation_Supported	Returns Segmantation NOT Supported
	APDU_Timeout	Returns the value as defined



	T	T
		by the Node's "Timeout"
		paramater
	APDU_Retries	Returns the value as defined
		by the Node's "Retries"
		parameter
	Device_Address_Bindings	Returns an empty list
	Max_Master	This property is supported for
		the BACnet/MSTP DLL option
	Max_info_Frames	This property is supported for
		the BACnet/MSTP DLL option
	Description	This property is supported
	Database_Revision	This property is supported and will change if a new
		configuration is downloaded to the PG-10XX
Read Property Multiple	Same properties as Read Property	Read Property Multiple is fully supported. Multiple objects
		with multiple properties can
		be specified
Write Operations Supported	Properties Supported	Comments and Limitation
	Max_Master	This Property is supported for
Write Property		the BACnet /MSTP DLL option
Write Property	Max_info_Frames	This Property is supported for
		the BACnet /MSTP DLL option
	Max_Master	This Property is supported for
Write Property Multiple		the BACnet /MSTP DLL option
Write Property Waitiple	Max_info_Frames	This Property is supported for
		the BACnet /MSTP DLL option
Analog Input Object		
Read Operations Supported	Properties Supported	Comments and Limitations
	Object_Identifier	No Limitations
	Object_Name	Returns Map Descriptor Name
	Object_Type	Returns Analog Input Object
Read Property		Type
	Present_Value	Returns value in Data_Array
		after scaling has been applied
	Status_Flags	When using Complex Data
		Objects returns the FAULT and
		OUT_OF_SERVICE fields as
		indicated in section 12.2.7 of
		the BACnet specification.
		When using standard Data
		Arrays returns FALSE for all



		bits.
	Event_State	No Limitations
	Reliability	When using a Complex Data
	,	Objects, returns Unreliable
		Other when the Node is
		offline, or when the data is old.
		Returns FALSE if the node is
		online or when using Standard
		Data Arrays
	Out_Of_Service	Fully supported when using a
		Complex data Object. Returns
		FALSE when not OOS or when
	2	using standard Data Arrays
	Description	This property is supported
	Units	Returns Units as specified in the Map Descriptor
Dood Duongutus Masslet st.	Come manufacture Decid Decid	Dood Duonesster Marilet de Coll
Read Property Multiple	Same properties as Read Property	Read Property Multiple is fully supported. Multiple objects
		with Multiple properties can
		be specified
		be specified
Write Operations	Properties Supported	Comments and Limitations
Supported		
Write Property	Present_Value	Writing to the Present Value is
Write Property Multiple		allowed if the Object is OOS
Data Sharing Operations	Properties Supported	Comments and Limitations
Supported		
SubscribeCOV	Present_value	Subscription storage is non-
		volatile
COVNotification	Present_value	Confirmed and Unconfirmed
Alarm and Event	Properties Supported	Comments and Limitations
Operations Supported	Froperties Supported	Comments and Limitations
EventNotification	Present Value,Status	Confirmed and Unconfirmed
AcknowledgeAlarm	r resent_value, status	No limitations
Acknowicu8chiaiiii		140 IIIIII.auoiis
Analog Output Object, Ana	alog Value Object	
Read Operations Supported	Properties Supported	Comments and Limitations
	Object_Identifier	No Limitations
Read Property	Object_Name	Returns "Map Descriptor Name"
	Object_Type	Returns Analog Output Object type



	Present_Value	Returns value in Data Array
		after scaling has been applied
	Status_Flags	When using Complex Data
	10	Objects returns the FAULT and
		OUT_OF_SERVICE fields as
		indicated in section 12.2.7 of
		the BACnet specification.
		When using standard Data
		Arrays returns FALSE for all bits
	Event_State	No Limitations
	Reliability	When using a Complex Data
		Objects, returns "Unreliable
		Other" when the Node is
		offline, or when the data is old.
		Returns FALSE if the Node is
		online or when using Standard
		Data Arrays
	Out_Of_Service	Fully supported when using a
		Complex Data Object. Returns
		FALSE when not OOS or when
		using standard Data Arrays
	Units	Returns Units as specified in
		the Map Descriptor
	Priority_Array	Returns Priority_Array of Map
		Descriptor
	Description	This property is supported
	Relinguish_Default	Returns Religuish _Default
Dood Droporty Multiple	Came properties as Board Droporty	Dood Droporty Multiple is fully
Read Property Multiple	Same properties as Read Property	Read Property Multiple is fully supported. Multiple objects
		with multiple properties can
		be specified
		be specified
Write Operations Supported	Properties Supported	Comments and Limitations
Write Property		When using Complex Data
Write Property Multiple		Objects and OOS is TRUE, then
		the write will not cause a
		write-through operation to the
	Present_Value	Server side. If the OOS is FALSE
	_	or when using standard Data
		Arrays then writes will always
		cause a write-through
		operation to the Server side
_	1	
Data Sharing Operations	Properties Supported	Comments and Limitations
Supported		
SubscribeCOV	Present_Value	Subscription storage is non-



		volatile
COVNotification	Present_Value	Confirmed and Unconfirmed
Alarm and Event	<b>Properties Supported</b>	<b>Comments and Limitations</b>
<b>Operations Supported</b>		
Event Notification	Present_Value, Status	Confirmed and Unconfirmed
AcknowledgeAlarm		No Limitations
Binary Input Object		
Read Operations	Properties Supported	Comments and Limitations
Supported	Froperties supported	Comments and Limitations
Supported	Object_Identifier	No Limitations
	Object_Name	Returns "Map Descriptor
	Object_Name	Name"
	Object_Type	Returns Analog Input Object
	Object_Type	type
	Present_Value	Returns the binary value in the
	Tresent_value	data array
	Status_Flags	When using Complex Data
		Objects returns the FAULT and
		OUT_OF_SERVICE fields as
		indicated in section 12.2.7 of
		the BACnet specification.
		When using standard Data
		Arrays returns FALSE for all bit
	Event_State	No Limitations
	Reliability	When using a Complex Data
Dood Droporty		Objects, returns "Unreliable
Read Property		Other" when the Node is
		offline, or when the data is old
		Returns FALSE if the Node is
		online or when using Standard
		Data Arrays
	Out_Of_Service	Fully supported when using
		Complex Data Object. Returns
		FALSE when not OOS or when
		using standard Data Arrays
	Polarity	Always returns "Normal"
	Active_Text	Returns Active Text as
		specified on the Map
		Descriptor
	Description	This property is supported
	Inactive_Text	Returns Inactive Text as
		specified on the Map
		Descriptor
D 10	10	
Read Property Multiple	Same properties as Read Prop	erty Read property Multiple is fully



		supported. Multiple objects with multiple properties can be specified
Write Operations Supported	Properties Supported	Comments and Limitations
Write Property Write Property Multiple	Present_Value	Writing to the Present Value is allowed if the Object is OOS
Data Sharing Operations Supported	Properties Supported	Comments and Limitations
SubscribeCOV	Present_Value	Subscription storage is non-volatile
COVNotification	Present_Value	Confirmed and Unconfirmed
Alarm and Event Operations Supported	Properties Supported	Comments and Limitations
Event Notification AcknowledgeAlarm	Present_Value, Status	Confirmed and Unconfirmed No Limitations
Binary Output Object, Bina	ry Value Object	
Read Operations Supported	Properties Supported	Comments and Limitations
Japporteu	Object_Identifier Object_Name	No Limitations Returns "Map Descriptor Name"
	Object_Type	Returns Analog Input Object type
	Present_Value	Returns the binary value in the data array
Read Property	Status_Flags	When using Complex Data Objects returns the FAULT and OUT_OF_SERVICE fields as indicated in section 12.2.7 of the BACnet specification. When using standard Data Arrays returns FALSE for all bits
	Event_State	No Limitations
	Reliability	When using a Complex Data Objects, returns "Unreliable Other" when the Node is offline, or when the data is old. Returns FALSE if the Node is online or when using Standard



	No Limitations
	A1 11 11 11
Present_Value, Status	Confirmed and Unconfirmed
Properties Supported	Comments and Limitations
Fresent_value	Commined and Uncommined
	Subscription storage is non- volatile Confirmed and Unconfirmed
Properties Supported	Comments and Limitations
	side
Present_Value	FALSE or when using standard Data Arrays when writes will always cause a write-through operation to the downstream
	Objects and OOS is TRUE, the the write will not cause a write-through operation to th downstream side. If the OOS is
Properties Supported	Comments and Limitations  When using Complex Data
	1
Same properties as Read Property	Read property Multiple is fully supported. Multiple objects with multiple properties can be specified
Inactive_Text	Returns Inactive Text as specified on the Map Descriptor
	specified on the Map Descriptor
	This property is supported  Returns Active Text as
	Relinguish_Default
	Returns Priority_Array of Map Descriptor Returns Current
	FALSE when not OOS or when using standard Data Arrays
Out_Of_Service	Fully supported when using Complex Data Object. Returns
	Properties Supported  Properties Supported  Present_Value  Present_Value  Present_Value  Present_Value  Present_Value  Present_Value



Read Operations	Properties Supported	Comments and Limitations
Supported		
	Object_Identifier	No Limitations
	Object_Name	Returns "Map Descriptor
	Object Type	Name"
	Object_Type	Returns Analog Input Object type
	Present_Value	Returns unsigned Integer value
	Tresent_value	in the data array
	Status_Flags	When using Complex Data
		Objects returns the FAULT and
		OUT_OF_SERVICE fields as
Read Property		indicated in section 12.2.7 of
Reduitoperty		the BACnet specification.
		When using standard Data
		Arrays returns FALSE for all bits
	Event_State	No Limitations
	Reliability	When using a Complex Data
		Objects, returns "Unreliable Other" when the Node is
		offline, or when the data is old.
		Returns FALSE if the Node is
		online or when using Standard
		Data Arrays
	Description	This property is supported
	Out_Of_Service	When using a Complex Data
		Object, the OOS property is
		fully supported. Returns FALSE
		when not OOS or when using
	Number Of State	standard Data Arrays
	Number_Of_State	When using a Complex Data Object, returns the number of
		states defined. When using
		Standard Data Arrays returns
		the value of 5
	State_Text	When using Complex Data
		Objects returns the State Text
		Strings defined. When using
		Standard Data Arrays return
		"State_X" where "X" is the
		value stored in Data_Array and
		could be 0 to 4
Read Property Multiple	Same properties as Read Property	Read property Multiple is fully
nead Froperty Multiple	Jame properties as nead Property	supported. Multiple objects
		with multiple properties can
		be specified



Write Operations Supported	Properties Supported	Comments and Limitations
Write Property	Present_Value	Writing to the Present Value is
Write Property Multiple	_	allowed if the Object is OOS
Data Sharing Operations Supported	Properties Supported	Comments and Limitations
SubscribeCOV	Present_Value	Subscription storage is non-volatile
COVNotification	Present_Value	Confirmed and Unconfirmed
Alarm and Event Operations Supported	Properties Supported	Comments and Limitations
Event Notification	Present_Value, Status	Confirmed and Unconfirmed
AcknowledgeAlarm		No Limitations
Multi-State Output Object,	Multi-State Value Object	
<b>Read Operations</b>	<b>Properties Supported</b>	Comments and Limitations
Supported		
	Object_Identifier Object_Name Object_Type	No Limitations  Returns "Map Descriptor Name"  Returns Analog Input Object type
	Present_Value	Returns unsigned Integer value in the data array
Read Property	Status_Flags	When using Complex Data Objects returns the FAULT and OUT_OF_SERVICE fields as indicated in section 12.2.7 of the BACnet specification. When using standard Data Arrays returns FALSE for all bits
	Event_State	No Limitations
	Reliability	When using a Complex Data Objects, returns "Unreliable Other" when the Node is offline, or when the data is old Returns FALSE if the Node is online or when using Standard Data Arrays
	Out_Of_Service	Fully supported when using a Complex Data Object. Returns FALSE when not OOS or when using standard Data Arrays
	Number_Of_State	When using a Complex Data



		Object, returns the number of states defined. When using Standard Data Arrays returns the value of 5
	State_Text	When using Complex Data Objects returns the State Text Strings defined. When using Standard Data Arrays return "State_X" where "X" is the value stored in Data_Array and could be 0 to 4
	Description	This property is supported
	Priority_Array	Returns Priority_Array of Map Descriptor
	Religuish_Default	Returns Relinguish_Default
Read Property Multiple	Same properties as Read Property	Read property Multiple is fully supported. Multiple objects with multiple properties can be specified
Write Operations	Properties Supported	Comments and Limitations
Supported		
Write Property		When using Complex Data
Write Property Multiple	Present_Value	Objects and OOS is FALSE or when using standard data arrays, writes will trigger a write through operation to client side
Data Sharing Operations Supported	Properties Supported	Comments and Limitations
SubscribeCOV	Present_Value	Subscription storage is non-volatile
COVNotification	Present_Value	Confirmed and Unconfirmed
Alarm and Event	Properties Supported	Comments and Limitations
Operations Supported		
Event Notification	Present_Value, Status	Confirmed and Unconfirmed
AcknowledgeAlarm		No Limitations
Notification Class Object		
Read Operations Supported	Properties Supported	Comments and Limitations
	Object_Identifier	No Limitations
Read Property	Object_Name	Returns "Map Descriptor Name"



	Ohio et Turre	Detume Netification Class			
	Object_Type	Returns Notification Class			
		Object type			
	Description	No Limitations			
	Notification_Class	No Limitations			
	Priority	No Limitations			
	Ack_Required	No Limitations			
	Description	This Property is supported			
	Recipient List	No Limitations			
D 10 1 10 11 1	To				
Read Property Multiple	Same properties as Read Property	Read property Multiple is fully			
		supported. Multiple objects			
		with multiple properties can			
		be specified			
Write Operations	Properties Supported	Comments and Limitations			
Supported	Froperties Supported	Comments and Limitations			
Write Property		RecipientList storage is non-			
Write Property Multiple	Recipient_List	volatile			
AddList	Paciniant List	Used to subscribe to Alarm			
Addlist	RecipientList				
		and Event Notifications			
Uncurported Functions An	d Data Tymos				
Unsupported Functions An					
BACnet Object Type not Su	pported				
Averaging Object					
Calendar Object					
Command Object					
Event Enrollment Object					
File Object					
Group Object					
Life Safety Point Object					
Life Safety Zone Object					
Loop Object					
Notification Class Object unsu	pported on Client side only				
Program Object					
Schedule Object					
<b>BACnet Services not Suppo</b>					
Alarm and Event Services uns	upported on Client side only				
File Access Services					
Virtual Terminal Services					
COV and EventNotification ser	vices are not supported for BACnet				
MSTP on the ProtoCessor					
	cnet, COV services are disabled by def	· · · · · · · · · · · · · · · · · · ·			
setting the Node_Option prop	erty to COV_Enable in the Nodes section	on configuration file.			



## **JCI Metasys N2 Protocol Driver Description**

PG-102-106-AA Mode	Comments			
Client	Nodes: 1 Only 1 client r	Nodes: 1 Only 1 client node allowed on Multidrop systems. Can		
	communicate with:			
	- N2Open			
	- VMA 1400 series (AI, BI, AO, BO and custom types)			
	-DX9100/XT9100			
Server	Nodes: 255			
	1			
Formal Driver Type	Serial			
	Client			
	Server			
Connection Information				
Connection type:		Dunley		
Baud Rates:	RS-485 (Two-wire, Half Duplex)			
Data Bits:	· ·	9600 (N2 Standard)		
Stop Bits:	1			
•	None			
Parity:  Multidrop Capability:	Yes			
iviuitiurop Capability.	res			
N2Open Functions:				
Data Type Supported				
PG-102-106-AA Data	Description			
Туре				
Analog_Input	Analog Input (AI)	Analog Input (AI)		
Digital_Input	Binary Input (BI)			
Analog_Output	Analog Output (AO)			
Digital_Output	Binary Output (BO)			
Float_Reg	Internal Float value (ADF)			
Integer	Internal Integer value (ADI)			
Byte	Internal Byte value (BD)			
Read Operations Suppo		T		
PG-102-106-AA As a Clie		PG-102-106-AA As a Server		
Read Current Value (all data types) direct read,		Read Current Value (all data types) direct read,		
Change-of –State (COS) poll		Change-of –State (COS) poll		
Read Attribute (all data types): direct read,		Read Attribute (all data types): direct read,		
specifying a legal attribute number		specifying a legal attribute number		
Identify Self Command		Identify Self Command		
Read All Attributes (Optional): These commands		Read All Attributes (Optional): These commands		
are used to read all attributes of specified		are used to read all attributes of specified		
(Analog Input, Binary Input, Analog Output,		(Analog Input, Binary Input, Analog Output,		
Binary Output) object without specifying		Binary Output) object without specifying		
attribute number.		attribute number.		

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Write (Control) Operati	ons Supported		
PG-102-106-AA As a Client 2		PG-102-106-AA As a Server 2	
Override Current Value (All data types)		Override Current Value (All data types)	
implemented as Write on PG-102-106-AA		implemented as Write on PG-102-106-AA	
Override Release (all data types)		Override Release (all data types)	
Write Attribute (all data types) direct write,		Write Attribute (all data types) direct write,	
specifying a legal attribute number		specifying a legal attribute number	
Write characterize Attributes (Optional). These		· · · · · · · · · · · · · · · · · · ·	
commands are used to set all attributes that		commands are used to set all attributes that	
characterize the specified (Analog Input, Binar			
Input, Analog Output or Binary Output) object			
without specifying an at		without specifying an attribute number.	
Write Internal Paramete This command is used to	• •	al). Write Internal Parameter Command (Optional). This command is used to change the value	
	~	_	
attribute of internal parameter objects without specifying an attribute number.		specifying an attribute number.	
specifying an attribute i	idiliber.	specifying an attribute number.	
Unsupported Functions	and Data Types		
Function		Reason	
Read Memory			
Diagnostics		Not Required	
Warm Start		Not Dominod	
Message		Not Required	
Status Update		Not Doguirod	
Message		Not Required	
Programming messages (download, upload)		Not Required PG-102-106-AA is a data transfer device)	
Time Synch		Time Synch	
Not supported		PG-102-106-AA clocks are updated on receipt of this command.	
VAAA Functions			
VMA Functions:  Data Types Supported			
PG-102-106-AA Data	Description		
Type	Description	Description	
Analog_Input	Analog Input (AI)	Analog Input (AI)	
Digital_Input	Binary Input (BI)		
Analog_Output	Analog Output (AO	, , , , ,	
Digital_Output	Binary Output (BO)		
Float_Reg		Internal Float value (ADF)	
Integer	Internal Integer value (ADI)		
Byte	Internal Byte value (BD)		
Read Operations Suppo	orted		
PG-102-106-AA As a Cli	ent T	PG-102-106-AA As a Server	
Read Current value (all	+	Not Applicable	
	,	11	



Direct Read, Change-of-	State (COS) poll			
Write (Control) Operati	ons Supported			
PG-102-106-AA As a Client		PG-102-106-AA As a Server		
Write/Override Current value (all data				
types) implemented as Write on PG-102-				
106-AA		Not Applicable		
Override Release (Al and Bl only) uses				
writes for outputs and internal values				
Unsupported Functions	and Data Types			
Function		Reason		
Programming messages	(upload,download)	Not required – PG-102-106-AA is a data transfer device		
DX9100 Functions:				
Data Types Supported	1			
PG-102-106-AA Data	Description			
Туре				
	Supported sections of Address Map:			
	General control m			
	Programmable me			
	Analog input mod			
	Analog output modules 1-2			
	Digital output modules 3-8			
	Extension modules 1-8			
	Time schedules 1-8			
	Optimal start/stop modules 1-2			
	Analog output modules 9-10			
	Auxiliary analog output modules 11-13			
Read Operations Suppo	rted			
PG-102-106-AA As a Clie	ent	PG-102-106-AA As a Server		
Read of all points suppo		Not Applicable		
, ,,				
Write (Control) Operati	ons Supported			
PG-102-106-AA As a Clie	• • • • • • • • • • • • • • • • • • • •	PG-102-106-AA As a Server		
Write of all points supported				
DX9100 may not allow v		Not Applicable		
values		·		
Unsupported Functions	and Data Types			
Unsupported Functions Function	and Data Types	Reason		
Programming messages		Not required – PG-102-106-AA is a data transfer device		
r rogramming messages		I MOLTEGUII EU - FO-102-100-AA IS à uala transier dévice		



